

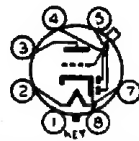


6T7-G

6T7-G

**DUPLEX-DIODE HIGH-MU TRIODE**

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances: <sup>o</sup>		
Triode Unit:		
Grid to Plate	1.7	$\mu$ f
Grid to Cathode	1.8	$\mu$ f
Plate to Cathode	3.1	$\mu$ f
Overall Length		4-7/32" to 4-15/32"
Seated Height		3-21/32" to 3-29/32"
Maximum Diameter		1-9/16"
Bulb		ST-12
Cap		Skirted Miniature
Base		Small Shell Octal 7-Pin
Pin 1 - No Connection		Pin 5 - Diode Plate #1
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Triode Plate		Pin 8 - Cathode
Pin 4 - Diode Plate #2		Cap - Triode Grid
Mounting Position		Any



BOTTOM VIEW (G-7V)

TRIODE UNIT

Plate Voltage		250 max. volts
Characteristics - Class A <sub>1</sub> Amplifier:		
Plate Voltage	135	250 volts
Grid Voltage	-1.5	-3 volts
Amp. Factor	65	65
Plate Res.	65000	62000 ohms
Transcond.	1000	1050 $\mu$ mhos
Plate Cur.	0.9	1.2 ma.

Typical Operation - Resistance-Coupled Amplifier:  
See RESISTANCE-COUPLED AMPLIFIER CHART.

DIODE UNITS - Two

Consideration of these units is given under Type 85. Circuits will be similar to those shown for Type 55 with fixed bias. Diode biasing of the triode unit of the 6T7-G is not suitable. Diode curves under Type 6B7 apply to the 6T7-G.

- In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
- ° With close-fitting shield connected to cathode. Values are approximate.

← Indicates a change.

Dec. 1, 1941

RCA RADIOTRON DIVISION  
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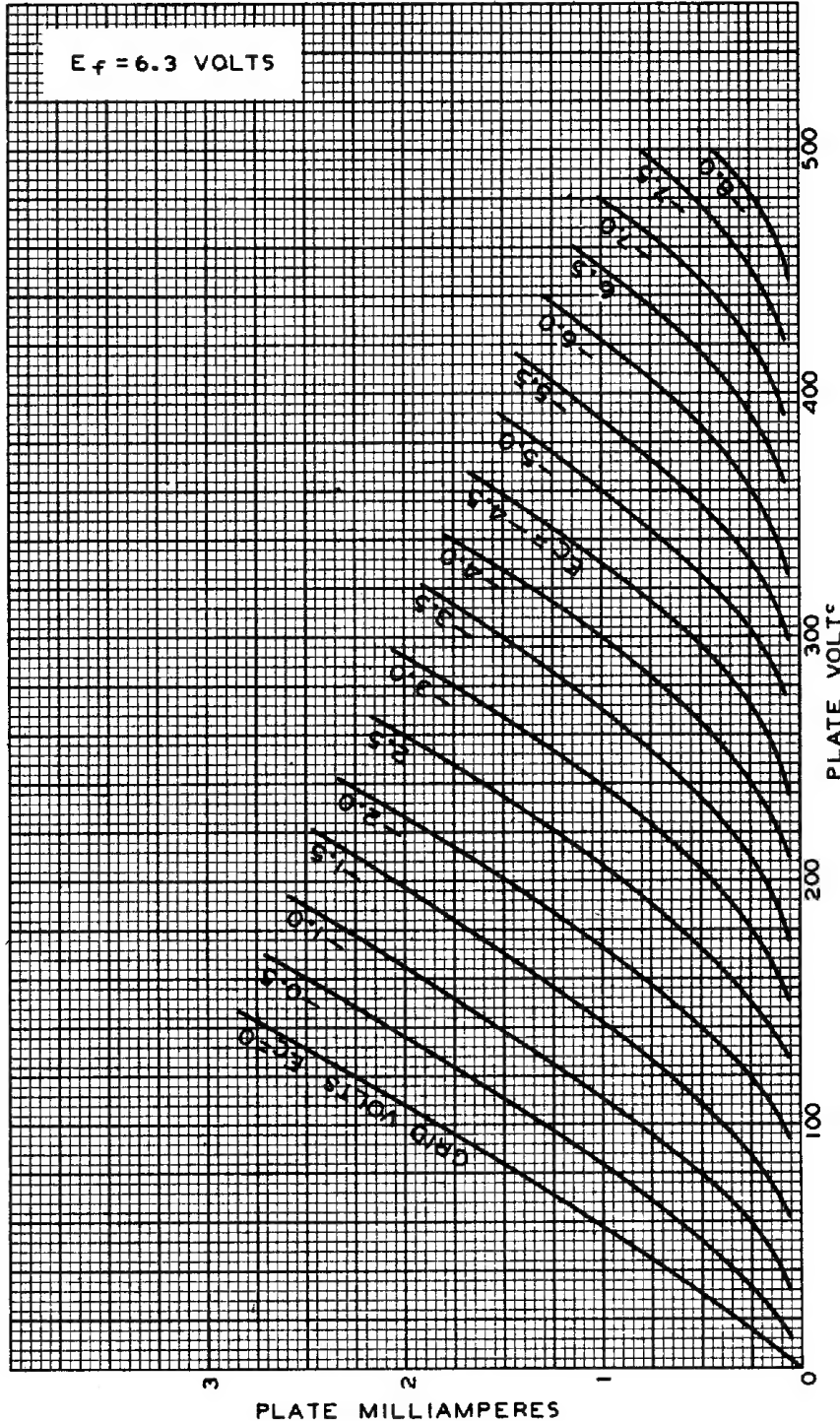
DATA

6T7-G



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# AVERAGE PLATE CHARACTERISTICS



MARCH 8, 1938

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92C-4892